

Karin Nowikovsky

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

5,942
citations

516710

16
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

14878
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Virtual reality for freely moving animals. <i>Nature Methods</i> , 2017, 14, 995-1002.	19.0	213
3	Muscle-Specific Loss of Apoptosis-Inducing Factor Leads to Mitochondrial Dysfunction, Skeletal Muscle Atrophy, and Dilated Cardiomyopathy. <i>Molecular and Cellular Biology</i> , 2005, 25, 10261-10272.	2.3	208
4	The LETM1/YOL027 Gene Family Encodes a Factor of the Mitochondrial K ⁺ Homeostasis with a Potential Role in the Wolf-Hirschhorn Syndrome. <i>Journal of Biological Chemistry</i> , 2004, 279, 30307-30315.	3.4	174
5	Electroneutral K ⁺ /H ⁺ exchange in mitochondrial membrane vesicles involves Yol027/Letm1 proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1711, 41-48.	2.6	73
6	A Drosophila mutant of LETM1, a candidate gene for seizures in Wolf-Hirschhorn syndrome. <i>Human Molecular Genetics</i> , 2010, 19, 987-1000.	2.9	69
7	Pathophysiology of mitochondrial volume homeostasis: Potassium transport and permeability transition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 345-350.	1.0	62
8	The Pathophysiology of LETM1. <i>Journal of General Physiology</i> , 2012, 139, 445-454.	1.9	61
9	LETM1-Mediated K ⁺ and Na ⁺ Homeostasis Regulates Mitochondrial Ca ²⁺ Efflux. <i>Frontiers in Physiology</i> , 2017, 8, 839.	2.8	56
10	LETM1: Essential for Mitochondrial Biology and Cation Homeostasis?. <i>Trends in Biochemical Sciences</i> , 2019, 44, 648-658.	7.5	52
11	Novel Components of an Active Mitochondrial K ⁺ /H ⁺ Exchange. <i>Journal of Biological Chemistry</i> , 2010, 285, 14399-14414.	3.4	50
12	Multi-level suppression of receptor-PI3K-mTORC1 by fatty acid synthase inhibitors is crucial for their efficacy against ovarian cancer cells. <i>Oncotarget</i> , 2017, 8, 11600-11613.	1.8	43
13	LETM1 in mitochondrial cation transport. <i>Frontiers in Physiology</i> , 2014, 5, 83.	2.8	38
14	The thiosemicarbazone Me2NNMe2 induces paraptosis by disrupting the ER thiol redox homeostasis based on protein disulfide isomerase inhibition. <i>Cell Death and Disease</i> , 2018, 9, 1052.	6.3	38
15	Novel p53-dependent anticancer strategy by targeting iron signaling and BNIP3L-induced mitophagy. <i>Oncotarget</i> , 2016, 7, 1242-1261.	1.8	32
16	Calpain-Mediated Integrin Deregulation as a Novel Mode of Action for the Anticancer Gallium Compound KP46. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2436-2449.	4.1	25
17	Unique membrane-interacting properties of the immunostimulatory cationic peptide KLKL ₅ (KLK). <i>Cell Biology International</i> , 2008, 32, 1449-1458.	3.0	8
18	Mitochondrial osmoregulation in evolution, cation transport and metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148368.	1.0	8

#	ARTICLE	IF	CITATIONS
19	A Comprehensive Analytical Strategy To Identify Malondialdehyde-Modified Proteins and Peptides. <i>Analytical Chemistry</i> , 2017, 89, 3847-3852.	6.5	7
20	Autophagy regulates apoptosis on the level of the death-inducing signalling complex. <i>FEBS Journal</i> , 2017, 284, 1967-1969.	4.7	7
21	Elevated metallothionein expression in long-lived species mediates the influence of cadmium accumulation on aging. <i>GeroScience</i> , 2021, 43, 1975-1993.	4.6	6
22	Chapter 17 Determination of Yeast Mitochondrial KHE Activity, Osmotic Swelling and Mitophagy. <i>Methods in Enzymology</i> , 2009, 457, 305-317.	1.0	4
23	The cation exchanger Letm1, circadian rhythms, and NAD(H) levels interconnect in diurnal zebrafish. <i>Life Science Alliance</i> , 2022, 5, e202101194.	2.8	2
24	Altered iron homeostasis in mouse models of aging. <i>Experimental Gerontology</i> , 2017, 94, 118.	2.8	1